

526 Rec'd PCT/PTO 10 JAN 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	Art Unit:
Jens NIELSEN et al.)	
)	
)	
IA No.: PCT/DK99/00398)	
)	Washington, D.C.
IA Filed: 12 July 1999)	
)	
U.S. App. No.:)	
(Not Yet Assigned))	
)	January 10, 2001
National Filing Date:)	
(Not Yet Received))	
)	
For: METABOLICALLY ENGINEERED...)	Docket No.: NIELSEN 5

SUPPLEMENTAL PRELIMINARY AMENDMENT

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Prior to examination upon the merits, kindly amend
as follows:

Delete claim 1, and insert the following claims:

--60. Eukaryotic microbial cell comprising an
intracellular transhydrogenase activity encoded by a nucleic
acid operably linked to an expression signal not natively
associated with the nucleic acid,

wherein the intracellular transhydrogenase is a cytoplasmic
transhydrogenase when the eukaryotic microbial cell is a
yeast cell, and

wherein the expression of the intracellular transhydrogenase
activity results in
an increased production of a first metabolite.